

Richfield Road from Sheridan Ave S to W 36th St - MSA 141-201-02



MINNEAPOLIS
DEPARTMENT OF
PUBLIC WORKS

Date: May 15, 2002
Updated: July 1, 2002
Revised: August 7, 2002 - added yard & mill/overlay
Revised: October 8, 2002 - Added design tables
Revised: October 28, 2002 - Added Staging Alternative 3, Stage 2
Revised: May 20, 2003 - Changed Cross Sections

NORTH

LEGEND

- Pavement
- Bike Lane
- Signal (Existing & Proposed)
- Bus Stop (Existing)
- Direction of Travel, Pavement Markings
- Construction Limits

Geometric Design Standards

New or reconstruction projects for urban roadways must meet or exceed the minimum dimensions indicated in the following design chart.

Functional Classification & Projected Traffic Volume	Design Speed (mph)	Lane Width (A) (feet)	Curb Reaction Distance (E) (feet)	Parking Lane Width (feet)
Collectors or Locals with ADT < 10,000	30 - 40	(B) 11	2	8
	Over 40	12	2	10
Collectors or Locals with ADT ≥ 10,000 & Arterials	30 - 40	(B) 11	(C) 4	10
	Over 40	12	(C) 4	(D) 10

(A) One-way turn lanes must be at least ten feet wide, except 11 feet is required if the design speed is over 40 mph.
(B) Wherever possible, lane widths of 12 feet rather than 11 feet should be used.
(C) May be reduced to two feet if there are four or more traffic lanes and no one-way streets.
(D) No parking is allowed for six or more traffic lanes or when the posted speed limit exceeds 45 mph.
(E) Curb reaction must be provided only where parking is not provided.

Bicycle Transportation Guidelines

Desirable Bike Lane Widths

4 Vehicular Lanes (no parking)

Motor Vehicle Operating Speed	Motor Vehicle Projected Traffic Volume			
	2,000 - 4,000	4,000 - 10,000	10,000 - 20,000	20,000 & above
0 - 19 mph	Shared Lane	Shared Lane	Shared Lane	N/A
20 - 31 mph	Curb Lane Width 14**	Curb Lane Width 14**	Bike Lane Width 5'	Bike Lane Width 5'
32 - 43 mph	Bike Lane Width 6'	Bike Lane Width 6'	Bike Lane Width 6'	Bike Lane Width 6'
Over 43 mph	Bike Lane Width 6'	Bike Lane Width 6'	Bike Lane Width 6'	Bike Lane Width 6**

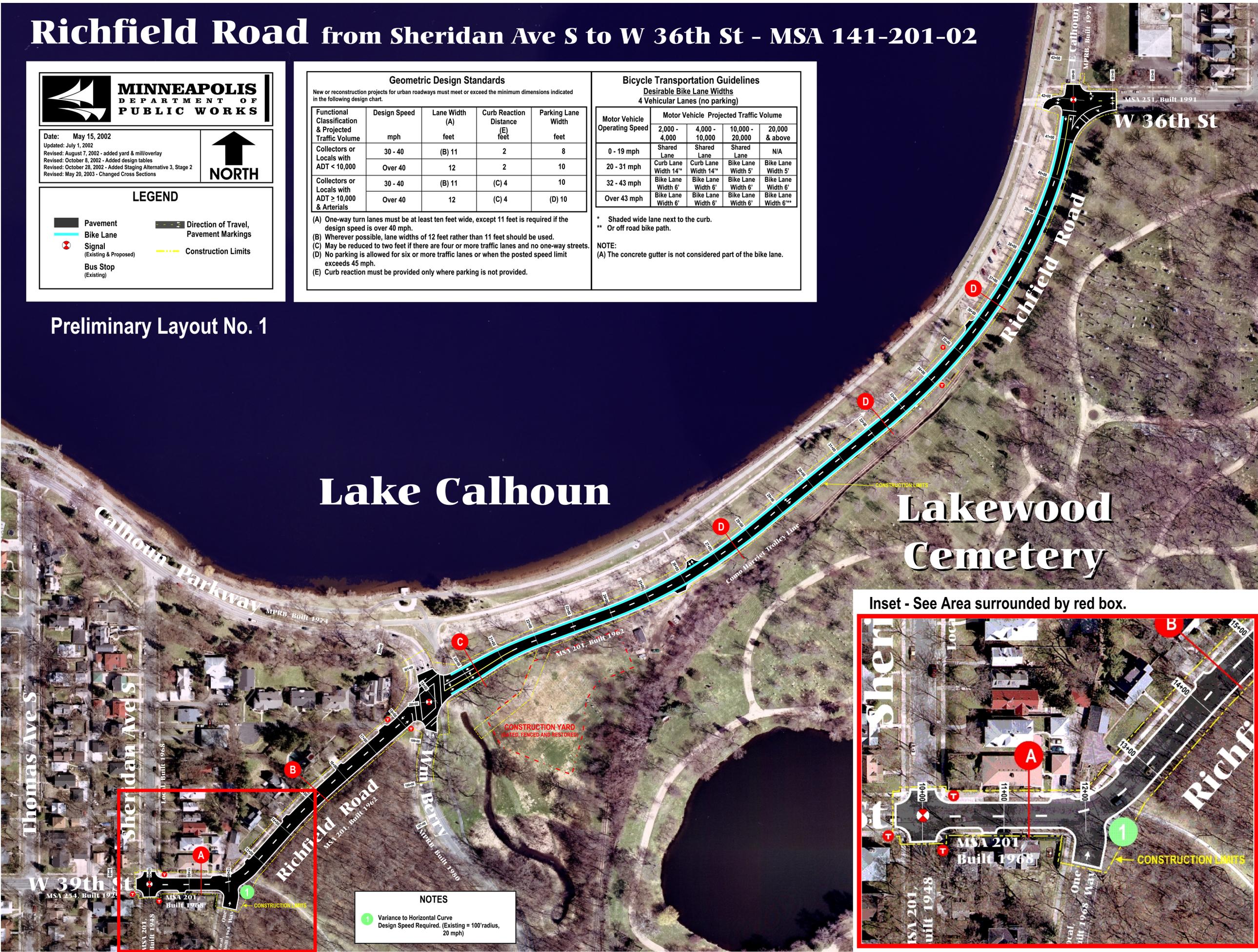
* Shaded wide lane next to the curb.
** Or off road bike path.

NOTE:
(A) The concrete gutter is not considered part of the bike lane.

Preliminary Layout No. 1

Lake Calhoun

Lakewood Cemetery



NOTES

1 Variance to Horizontal Curve
Design Speed Required. (Existing = 100' radius, 20 mph)

